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Chen et al.(10) **Pub. No.: US 2015/0012744 A1**(43) **Pub. Date: Jan. 8, 2015**(54) **GROUP BASED BOOTSTRAPPING IN
MACHINE TYPE COMMUNICATION****Publication Classification**(51) **Int. Cl.****H04L 9/08** (2006.01)**H04W 12/04** (2006.01)**H04L 9/32** (2006.01)(52) **U.S. Cl.**CPC **H04L 9/0833** (2013.01); **H04L 9/0861**(2013.01); **H04L 9/0866** (2013.01); **H04L****9/0869** (2013.01); **H04L 9/32** (2013.01); **H04W****12/04** (2013.01)USPC **713/155**(75) Inventors: **You Lei Chen**, Beijing (CN); **Ya Zhe Zhang**, Beijing (CN)(73) Assignee: **NOKIA SOLUTIONS AND
NETWORKS OY**, Espoo (FI)(21) Appl. No.: **14/375,516**(22) PCT Filed: **Feb. 2, 2012**(86) PCT No.: **PCT/CN2012/070845**

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A group key is computed based on unique identifications of each member device of a group of machine type communication devices, wherein communication with a network application function is performed by using a session identification of the group, and/or by using a session identification of a member device of the group, generated based on the session identification of the group and the unique identification of the member device.

